

What is claimed:

1. Resistance-heated ceramic vaporizer boat (10) comprising an elongated vaporizer body made of homogeneous ceramic material and having an upper side surface (1) and plane lateral side surfaces (3) which are non-parallel to each other, each of said lateral side surfaces (3) is inclined to enclose an angle of 45° with the upper side surface (1), wherein the vaporizer body is formed in a generally trapezoidal cross-section so that the vaporizer body has a lower side surface (2) which is parallel to the upper side surface (1) and the ratio between the width of the upper side surface (1) and the height of the vaporizer body as measured between the upper side surface and the lower side surface (2) is greater than 2:1.
2. Resistance-heated ceramic vaporizer boat (10) according to claim 1, comprising clamping regions (6) being formed at the free end portions of the vaporizer boat (10), the height of which clamping regions (6) not exceeding the height of the vaporizer boat (10), and the clamping regions (6) comprising two lateral clamping surfaces (5) being laterally opposite to each other and extending in the longitudinal direction of the vaporizer boat (10).
3. Resistance-heated ceramic vaporizer boat (10) according to claim 2, wherein the clamping surfaces (5) extend parallel to each other, and where in the clamping region (6) comprising the clamping surfaces (5), the upper side (1) and the lower side (2), has a substantially rectangular cross section.
4. Resistance-heated ceramic vaporizer boat (10) according to claim 1, wherein a cavity (4) is formed in the upper side (1).
5. Resistance-heated ceramic vaporizer boat (10) according to claim 1, comprising longitudinally extending edging surfaces (12) between the upper side (1) and the lateral side surfaces (3).

6. Resistance-heated ceramic vaporizer boat (10) according to Claim 1, wherein the end portions at the longitudinal ends of the vaporizer body are recessed at the lower side (2) thereof.

7. Resistance-heated ceramic vaporizer boat (10) according to claim 6, wherein the thickness (d) of the vaporizer body being measured between the upper side (1) and the lower side (2) thereof, is reduced along a transition radius (r) to a predetermined partial thickness (t) along the end portions of the vaporizer body at the lower side (2) of the end portions.

8. Resistance-heated ceramic vaporizer boat (10) according to claim 7, wherein the ration between the thickness (d) of the vaporizer boat (10) and the partial thickness (t) of the end portions thereof is 10:7.

9. Resistance-heated ceramic vaporizer boat (10) according to claim 8, wherein the ratio between the length of the vaporizer boat (10) and the length of each end portion is 13:1.

10. Resistance-heated ceramic vaporizer boat (10) according to claim 8, wherein the ratio between the length of the vaporizer boat (10) and its width at the upper side (1) thereof is 130:35.

11. Resistance-heated ceramic vaporizer boat (10) according to claim 6, wherein the upper side (1) of the vaporizer body is plane without a cavity.

12. Resistance-heated ceramic vaporizer boat (10) according to claim 6, wherein the lateral side surfaces (3) of the vaporizer body each enclose an angle of 45° with the upper side along the whole length of the vaporizer body inclusive of the regions of the free end portions thereof.

13. Resistance-heated ceramic vaporizer boat (10) according to claim 2, wherein the lateral distance between the clamping surfaces (5) corresponds to the width of the lower side (2) of the trapezoidal cross-section.

14. Resistance-heated ceramic vaporizer boat, according to claim 1, wherein the ratio between the width of the upper side surface (1) and the height of the vaporizer body as measured between the upper side surface and the lower side surface (2) is 3:1.